

WHAT IS CLAIMED IS:

1. A method for manufacturing a liquid crystal display device, comprising the steps of:

filling liquid crystal into a liquid crystal dispenser;

testing dispensing characteristics of the liquid crystal dispenser to assess functionality of the liquid crystal dispenser;

after the testing step, mounting the liquid crystal dispenser on a liquid crystal dispensing unit of a production line;

dispensing the liquid crystal from the mounted liquid crystal dispenser onto a first substrate of the liquid crystal display disposed beneath the mounted liquid crystal dispenser; and

assembling the first substrate with a second substrate to form a liquid crystal display.

2. The method according to claim 1, wherein the testing step includes the steps of: dispensing the liquid crystal from the liquid crystal dispenser into a receiving member; measuring an amount of the liquid crystal dispensed into the receiving member; and comparing the measured amount of liquid crystal with a comparison value to assess functionality of the liquid crystal dispenser on the basis of determining whether the measured amount of liquid crystal is substantially equal to the comparison value.

3. The method according to claim 2, wherein the measuring step includes measuring a mass of the liquid crystal dispensed into the receiving member.

4. The method according to claim 2, wherein the testing step includes dispensing a predetermined number of liquid crystal drops from the liquid crystal dispenser into the receiving member.

5. The method according to claim 4, wherein the testing step includes measuring a mass of the predetermined number of liquid crystal drops dispensed from the liquid crystal dispenser.

6. The method according to claim 2, wherein the measured amount of liquid crystal is determined to be substantially equal to the comparison value if the measured amount of liquid crystal is within a preset error range with respect to the comparison value.

7. The method according to claim 6, wherein the preset error range is 1 percent by mass of the comparison value.

8. The method according to claim 6, further comprising a second testing step of testing the liquid crystal dispenser after the liquid crystal dispenser is mounted in the liquid crystal dispensing unit of the production line.

9. The method according to claim 1, further comprising a second testing step of testing the liquid crystal dispenser after the liquid crystal dispenser is mounted in the liquid crystal dispensing unit of the production line.

10. The method according to claim 1, further comprising the step of removing air from the liquid crystal.

11. The method according to claim 1, wherein the liquid crystal dispenser is a liquid crystal syringe dispenser.

12. A method for manufacturing a liquid crystal display device, comprising the steps of:

filling liquid crystal into a liquid crystal dispenser;

testing an amount of the liquid crystal dropped by the liquid crystal dispenser;

dispensing the liquid crystal from the liquid crystal dispenser onto a first substrate; and

assembling the first substrate with a second substrate to form a liquid crystal display device.

13. The method according to claim 12, wherein the testing step includes the steps of:

dispensing the liquid crystal from the liquid crystal dispenser into a receiving member;

measuring an amount of the liquid crystal dispensed into the receiving member; and

14. The method according to claim 13, further comprising the step of comparing the measured amount of liquid crystal with a comparison value to determine whether the liquid crystal dispenser dispenses a right amount of the liquid crystal.

15. The method according to claim 13, wherein the measuring step includes measuring a mass of the liquid crystal dispensed into the receiving member.

16. The method according to claim 13, wherein the testing step includes dispensing a predetermined number of liquid crystal drops from the liquid crystal dispenser into the receiving member.

17. The method according to claim 16, wherein the testing step includes measuring a mass of the predetermined number of liquid crystal drops dispensed from the liquid crystal dispenser.

18. The method according to claim 12, further comprising the step of removing air from the liquid crystal.

19. The method according to claim 12, wherein the liquid crystal dispenser is a liquid crystal syringe dispenser.

20. A system for manufacturing a liquid crystal display device, comprising:
means for filling liquid crystal into a liquid crystal dispenser;
means for testing an amount of the liquid crystal dispensed by the liquid crystal dispenser;
means for dispensing the liquid crystal from the liquid crystal dispenser onto a first substrate; and
means for assembling the first substrate with a second substrate to form a liquid crystal display device.

21. The system according to claim 20, wherein the testing means dispenses the liquid crystal from the liquid crystal dispenser into a receiving member, measures an amount of the liquid crystal dispensed into the receiving member; and compares the measured amount of liquid crystal with a comparison value to determine whether the liquid crystal dispenser dispenses a right amount of the liquid crystal.

22. The system according to claim 21, wherein the testing means measures a mass of the liquid crystal dispensed into the receiving member.

23. The system according to claim 21, wherein the testing means dispenses a predetermined number of liquid crystal drops from the liquid crystal dispenser into the receiving member.

24. The system according to claim 23, wherein the testing means measures a mass of the predetermined number of liquid crystal drops dispensed from the liquid crystal dispenser.

25. The system according to claim 24, further comprising means for removing air from the liquid crystal prior to testing the liquid crystal dispenser.

26. The system according to claim 20, wherein the liquid crystal dispenser is a liquid crystal syringe dispenser.